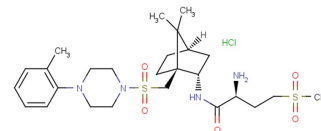


L-368,899 hydrochloride

Chemical Properties

CAS No.:	160312-62-9
Formula:	C ₂₆ H ₄₃ ClN ₄ O ₅ S ₂
Molecular Weight:	591.23
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	L-368,899 hydrochloride, used as a tocolytic agent, is a potent, selective, orally bioavailable, non-peptide oxytocin receptor antagonist, with IC ₅₀ s of 8.9 nM and 26 nM for rat uterus and human uterus oxytocin receptor, respectively.
Targets(IC ₅₀)	rat uterus oxytocin receptor: 8.9 nM human uterus oxytocin receptor: 26 nM
In vitro	L-368,899 is less active on VP receptor in human liver and kidney, rat liver and kidney (IC ₅₀ , 510 nM, 960 nM, 890 nM, 2400 nM, respectively). L-368,899 hydrochloride is a potent, orally bioavailable, non-peptide oxytocin receptor antagonist, with IC ₅₀ s of 8.9 nM and 26 nM for rat uterus and human uterus oxytocin receptor, respectively.

Solubility Information

Solubility	DMSO: 130 mg/mL (219.88 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.691 mL	8.457 mL	16.914 mL
5 mM	0.338 mL	1.691 mL	3.383 mL
10 mM	0.169 mL	0.846 mL	1.691 mL
50 mM	0.034 mL	0.169 mL	0.338 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Williams PD, et al. 1-((7,7-Dimethyl-2(S)-(2(S)-amino-4-(methylsulfonyl)butyramido)bicyclo [2.2.1]-heptan-1(S)-yl)methyl)sulfonyl)-4-(2-methylphenyl)piperazine (L-368,899): an orally bioavailable, non-peptide oxytocin antagonist with potential utility for managing preterm labor. J Med Chem. 1994 Mar 4;37(5):565-71.

Inhibitors · Natural Compounds · Compound Libraries

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